Listing Program

```
from Adafruit_CharLCD import Adafruit_CharLCD

lcd = Adafruit_CharLCD(rs=25, en=9, d4=10, d5=24, d6=11,
d7=22, cols=16, lines=$

lcd.clear()
# Set up input pin
GPIO.setup(8, GPIO.IN, pull_up_down=GPIO.PUD_DOWN)
# Set up input pin
GPIO.setup(14, GPIO.IN, pull_up_down=GPIO.PUD_DOWN)
# Set up Buzzer output
GPIO.setup(23, GPIO.OUT)

#set LED
GPIO.setup(2, GPIO.OUT)

# Callback function to run when motion detected
def motionSensor(channel):
lcd.clear()
i=GPIO.input(8)
    if i==0:
lcd.message('Tdk Ada Orang'),i
GPIO.output(23, GPIO.LOW)

   elifi==1:     # True = Rising
   Lcd.message(‘Ada Orang’),i
   GPIO.output(23, GPIO.HIGH)
# add event listener on pin 21
GPIO.add_event_detect(8, GPIO.BOTH, callback=motionSensor,
bouncetime=300)
counter = 0
def motionSensor1(channel1):
   lcd.clear()
```

```
ii=GPIO.input(14)
    if ii==0:
lcd.message('Tdk Ada Gerak !!'),ii
GPIO.output(2, GPIO.LOW)
elif ii==1:     # True = Rising
lcd.message('Ada Gerakan'),ii
GPIO.output(2, GPIO.HIGH)
# add event listener on pin 21
GPIO.add_event_detect(14, GPIO.BOTH, callback=motionSensor1,

\\bouncetime=300)
counter = 0

try:
    while True:
sleep(1)          # wait 1 second

finally:                   # run on exit
GPIO.cleanup()         # clean up
print "All cleaned up."
```